

Excellent Integrated System Limited

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Vishay/Dale IHLP1212ABERR22M11

For any questions, you can email us directly: sales@integrated-circuit.com

Distributor of Vishay/Dale: Excellent Integrated System Limited

Datasheet of IHLP1212ABERR22M11 - FIXED IND 220NH 9.3A 11.4 MOHM

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



www.vishay.com

IHLP-1212AB-11

Vishay Dale

Low Profile, High Current IHLP® Inductors





Manufactured under one or more of the following: US Patents; 6,198,375/6,204,744/6,449,829/6,460,244. Several foreign patents, and other patents pending.

STANDARD ELECTRICAL SPECIFICATIONS					
L ₀ INDUCTANCE ± 20 % AT 100 kHz, 0.25 V, 0 A (μH)	DCR TYP. 25 °C (mΩ)	DCR MAX. 25 °C (mΩ)	HEAT RATING CURRENT DC TYP. (A) ⁽³⁾	SATURATION CURRENT DC TYP. (A) ⁽⁴⁾	SRF TYP. (MHz)
0.22	9.5	11.4	9.3	9.3	220
0.33	12.0	14.3	7.2	8.7	175
0.47	16.3	19.5	6.4	7.0	140
0.56	18.7	22.0	5.1	6.7	135
0.68	22.5	25.0	4.0	5.5	110
1.0	32.7	37.5	4.0	5.0	90

Notes

- (1) All test data is referenced to 25 °C ambient
- (2) Operating temperature range -55 °C to +125 °C
- $^{(3)}$ DC current (A) that will cause an approximate ΔT of 40 $^{\circ}C$
- $^{(4)}\,$ DC current (A) that will cause L_0 to drop approximately 20 %
- (5) The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

FEATURES

- Shielded construction
- Excellent DC/DC energy storage up to 1 MHz to 2 MHz. Filter inductor applications up to SRF (see "Standard Electrical Specifications" table)

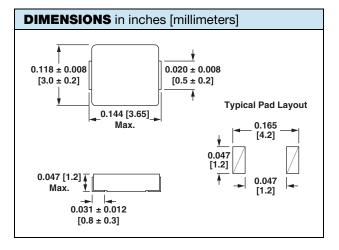


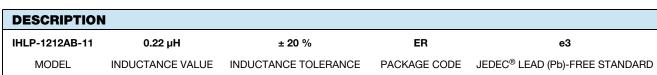
RoHS COMPLIANT HALOGEN FREE

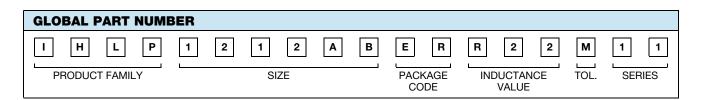
- Lowest DCR/µH, in this package size
- · Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

APPLICATIONS

- PDA/notebook/desktop/server applications
- · High current POL converters
- · Low profile, high current power supplies
- Battery powered devices
- DC/DC converters in distributed power systems
- DC/DC converter for Field Programmable Gate Array (FPGA)







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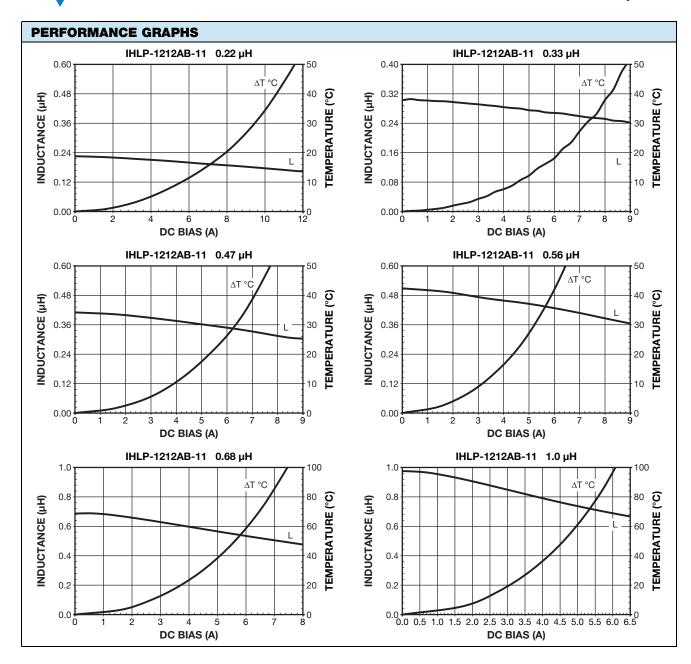
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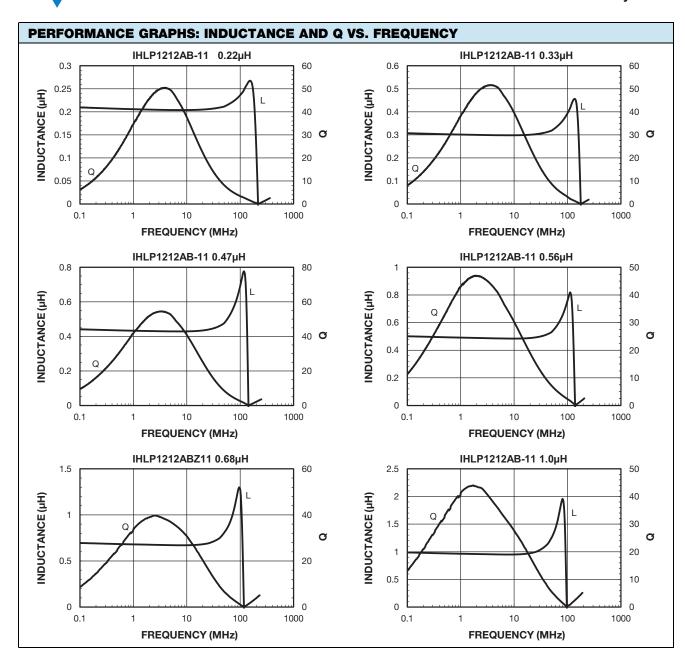
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